

IN THE CLAIMS

Please amend the claims as follows:

1. (original) A method of referencing a first number for data (29) to be stored, where data is shared among a producer (10) and a consumer (11), said method comprising the steps of:

- computing (100) said first number (24, offset) equalling p (25) minus V_{aprod} (26), wherein p is in the virtual address space of the producer, and V_{aprod} is in the virtual address space of the producer (20); and
- storing (200) said first number as the address for said data in a scatter gather list.

2. (original) A method of referencing a first number for data to be stored according to claim 1 further comprising the step of:

- storing (300) data at location p .

3. (original) A method of referencing a first address for data to be retrieved, where data is shared among a producer and a consumer, said method comprising the steps of:

- retrieving (400) a second number from a scatter gather list, wherein said second number (24, offset) equals p (25) minus V_{aprod} (26), wherein p is in the virtual address space of the

producer, and Vaproduct is in the virtual address space of the producer; and

- computing (500) said first address (27, q) as a VAcons (28) plus said second number, wherein said VAcons is the consumer address for the scatter gather list in the virtual address space of said consumer (21), and where said first address is in the virtual address space of said consumer.

4. (original) A method of referencing a first address for data to be retrieved according to claim 3 further comprising the step of:

- retrieving (600) data, wherein said retrieved data is pointed to by said first address.

5. (currently amended) A computer system for performing the method according to claim 1~~or 2~~.

6. (currently amended) A computer system for performing the method according to claim 3~~or 4~~.

7. (currently amended) A computer program product comprising program code means stored on a computer readable medium for performing the method of ~~claims 1 or 2~~claim 1 when the computer program is run on a computer.

8. (currently amended) A computer program product comprising program code means stored on a computer readable medium for performing the method of ~~claims 3 or 4~~claim 3 when the computer program is run on a computer.

9. (currently amended) Use of the method according to claim 1 ~~or 2~~ for data storage in a multiprocessor system.

10. (currently amended) Use of the method according to claim 3 ~~or 4~~ for data retrieval in a multiprocessor system.